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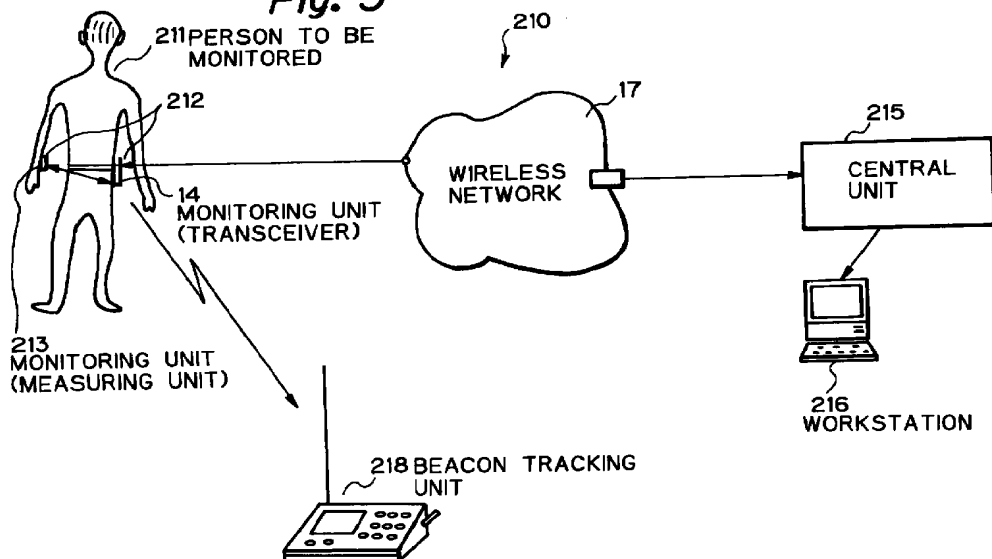
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## (54) Monitoring physical condition of a patient by telemetry

(57) A system is provided for remotely monitoring the current location and physical condition/parameters of a specific person on a real time basis. The monitored physical parameters include the blood glucose level. In accordance with the invention, the detection of a blood glucose level can be effected in an un-invasive manner, which is quite different from the prior art method which would be painful. A terminal unit attached onto the person's body is, via a radio network, in communication

with a central unit located at a medical institute of the area. The detection of vital signs including a blood glucose level is continuously and intermittently effected by the terminal unit. Once an emergency situation arises, an alarm signal will automatically be transmitted to the central unit regardless of the action and intention of the person.

Fig. 3



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